

# IL2 Receptor alpha antibody [BC96] (PE-Cy7)

## Cat. No. GTX01471-10

Host	Mouse	
Clonality	Monoclonal	
Isotype	lgG1	
Applications	FCM	
Reactivity	Human, Baboon, Chimpanzee, Cynomolgus monkey, Rhesus Monkey	

References ( 6 )
Package
100 test

#### PRODUCT

Summary

The BC96 antibody is specific for human CD25, a 55 kDa surface protein also known as the Interleukin-2 Receptor alpha chain, or IL-2R alpha. CD25 may bind IL-2 by itself, although with low affinity and without induction of cell signaling. CD25 is also expressed within a high-affinity complex, along with the IL-2R beta chain (CD122) and the common gamma chain (CD132), to form a signaling receptor complex. Signaling via CD25 may modulate Th17 and Treg cell differentiation, and has been shown to play a role in the function of dendritic cells. The BC96 antibody may be used as a marker for expression of CD25 during T and B cell development, on activated mature T and B cells, and for its expression at high levels on natural T regulatory cells (nTreg cells) in the thymus or periphery, and on "induced" peripheral Tregs. This antibody is cross-reactive with CD25 in several non-human species, including Baboon, Chimpanzee, Cynomolgus and Rhesus.

### **Applications**

#### **Application Note**

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
FCM	0.25 $\mu g$ (5 $\mu l$ ) for 10 <sup>5</sup> -10 <sup>8</sup> cells in 100 $\mu l$ sample per test

Not tested in other applications.

Properties	
Form	Liquid
Buffer	10mM NaH₂PO₄, 150mM NaCl, 0.1% Gelatin
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
Concentration	0.05 mg/ml (Please refer to the vial label for the specific concentration.)
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Phycoerythrin-Cyanine7 (PE-Cy7) Wavelength



For full product information, images and publications, please visit our website.

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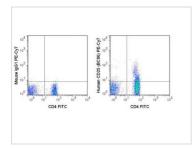


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#### Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

#### DATA IMAGES



#### GTX01471-10 FCM Image

FACS analysis of human peripheral blood lymphocytes using GTX01471-10 IL2 Receptor alpha antibody [BC96] (PE-Cy7).

 $Right\ panel: co-stained\ with\ IL2\ Receptor\ alpha\ antibody\ [BC96]\ (PE-Cy7)\ and\ Human\ CD4\ antibody\ (FITC)$ 

Left panel: co-stained with isotype control and Human CD4 antibody (FITC)

antibody amount : 0.25 µg (5 µl)



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